



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 5**

**77 WEST JACKSON BOULEVARD**

**CHICAGO, IL 60604-3590**

**AUG 25 2010**

REPLY TO THE ATTENTION OF:

**AE-17J**

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Chris Head  
Operations Manager  
Geneva Energy, LLC  
1705 Cottage Grove Ave.  
Ford Heights, Illinois 60411

Frank Avery  
President  
Wood Group Power Operations, Inc.  
17420 Katy Freeway, Suite 300  
Houston, Texas 77094

John Brewster  
CEO and President  
North American Energy Services, Inc.  
1180 NW Maple Street, Suite 200  
Issaquah, Washington 98027

RE: Notice and Finding of Violation issued to Geneva Energy, LLC, Wood Group Power Operations, Inc., and North American Energy Services, Inc.

Dear Messrs. Head, Avery, and Brewster:

This is to advise you that the U.S. Environmental Protection Agency has determined that Geneva Energy LLC's facility, previously operated by Wood Group Power Operations, Inc. and North American Energy Services, Inc., at 1705 Cottage Grove Avenue, Ford Heights, Illinois, (collectively referred to as "Geneva," "the facility," or "you") is in violation of the Clean Air Act (the Act) and associated state or local pollution control requirements. A list of the requirements violated is provided below. We are today issuing you a Notice of Violation and Finding of Violation (NOV/FOV) for these violations.

Section 111 of the Act requires U.S. EPA to implement the New Source Performance Standards (NSPS) program. The NSPS are nationally uniform emission standards for new or modified stationary sources falling within industrial categories that significantly contribute to air pollution.

As discussed more fully in the enclosed NOV/FOV, Geneva is subject to and in violation of the Standards of Performance for Industrial-Commercial-Industrial Steam Generating Units at 40 C.F.R. Part 60, Subpart Db (NSPS Subpart Db).

The Act requires the development of Primary and Secondary National Ambient Air Quality Standards (NAAQS) to protect public health and welfare. To attain and maintain these standards, each state is required to develop an implementation plan. Among other things, each implementation plan must include a permit program to regulate the modification and construction of any stationary source of air pollution as necessary to assure that NAAQS are achieved. The State of Illinois has incorporated such a permitting program into its State Implementation Plan (SIP).

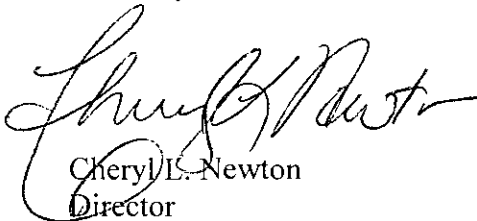
We find that you are in violation of the terms of the NSPS Subpart Db; the NSPS General Provisions at 40 C.F.R. Part 60, Subpart A; Geneva Energy, LLC Construction Permit Conditions established in accordance with IAC 201.156 of the Illinois SIP; and the Visible and Particulate Matter Regulations of the Illinois SIP at your Ford Heights, Illinois facility.

Section 113 of the Act, 42 U.S.C. § 7413, gives EPA several enforcement options. The options include issuing an administrative compliance order, issuing an administrative penalty order, bringing a judicial civil action, and bringing a judicial criminal action.

We are offering you the opportunity to request a conference with us about the violations alleged in the NOV/FOV. This conference will give you an opportunity to present information on the specific findings of violation, any efforts you have taken to comply, and the steps you will take to prevent future violations. Please plan for your facility's technical and management personnel to take part in these discussions. You may have an attorney represent you at this conference.

You may contact Michelle Heger at (312) 886-4510 to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,



Cheryl L. Newton  
Director

Air and Radiation Division

Enclosure

cc: Ray Pilapil, Manager  
Bureau of Air, Compliance and Enforcement Section  
Illinois Environmental Protection Agency

**United States Environmental Protection Agency  
Region 5**

IN THE MATTER OF:	)	
	)	
Geneva Energy, LLC; Wood Group Power	)	NOTICE OF VIOLATION and
Operations, Inc.; and North American	)	FINDING OF VIOLATION
Energy Services, Inc.	)	
	)	EPA-5-10-IL-21
Proceedings Pursuant to	)	
the Clean Air Act,	)	
42 U.S.C. §§ 7401 et seq.	)	

**NOTICE AND FINDING OF VIOLATION**

The U.S. Environmental Protection Agency (EPA) finds that Geneva Energy, LLC, Wood Group Power Operations, Inc., and North American Energy Services, Inc. (collectively referred to as "you") violated requirements promulgated under the Clean Air Act (CAA), including New Source Performance Standards (NSPS) Standards of Performance for Industrial-Commercial-Industrial Steam Generating Units at 40 C.F.R. Part 60, Subpart Db (NSPS Subpart Db); the NSPS General Provisions at 40 C.F.R. Part 60, Subpart A; Geneva Energy, LLC Construction Permit Conditions established in accordance with IAC 201.156 of the Illinois State Implementation Plan (Illinois SIP); and Regulations for Visible and Particulate Matter Emissions under the Illinois SIP at their tire combustion facility at 1705 Cottage Grove Avenue, Ford Heights, Illinois (Geneva Facility), as follows:

**A. STATUTORY AND REGULATORY BACKGROUND**

**Illinois SIP**

1. Section 110(a)(1) of the Act, 42 U.S.C. § 7410(a)(1), requires each state to adopt and submit to EPA for approval a State Implementation Plan (SIP) that provides for the implementation, maintenance, and enforcement of the National Ambient Air Quality Standards (NAAQS). Under Section 110(a) of the Act, 42 U.S.C. § 7410(a), each SIP must include a permit program to regulate the modification and construction of any stationary source of air pollution as necessary to assure that NAAQS are achieved. Pursuant to Section 113(a) and (b) of the CAA, 42 U.S.C. § 7413(a) and (b), upon U.S. EPA approval, SIP requirements are federally enforceable under Section 113. Under 40 C.F.R. § 52.23, any permit limitation or condition contained within a permit issued under an EPA-approved program that is incorporated in a SIP, is a requirement of the SIP, and is federally enforceable under Section 113.

2. On May 31, 1972, EPA approved 35 Illinois Administrative Code (IAC) Part 201, "Permits and General Conditions," as part of the federally enforceable SIP for the State of Illinois. 37 Fed. Reg. 10,862 (May 31, 1972). Since then, EPA has approved several revisions of 35 IAC Part 201 into the federally enforceable SIP.
3. On July 13, 1988, U.S. EPA approved 35 (IAC) § 212.123(a), "Regulations for Visible and Particulate Matter Emissions," as part of the federally enforceable SIP for the State of Illinois. 57 Fed. Reg. 61,837 (July 13, 1988).
4. 35 IAC 212.123(a) Regulations for Visible and Particulate Matter Emissions states that no person shall cause or allow the emission of smoke or other particulate matter with an opacity greater than 30 percent into the atmosphere from any emission source.

### **NSPS**

5. On December 16, 1987, EPA promulgated the New Source Performance Standard, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS Subpart Db) at 40 C.F.R. Part 60, Subpart Db. 52 Fed. Reg. 47842 (December 16, 1987).
6. 40 C.F.R. § 60.40b(a) of NSPS Subpart Db states that the affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (mmBtu/hr)).
7. 40 C.F.R. § 60.43b(f) of NSPS Subpart Db requires that "...no owner or operator of an affected facility that can combust coal, oil, wood, or mixtures of these fuels with any other fuels shall cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6-minute average)...."
8. The NSPS General Provisions, at 40 C.F.R. § 60.11(d), and incorporated into Geneva's construction permit at Conditions 2.1.5(b) and 2.1.8(e), require that at all times, including periods of startup, shutdown, and malfunction, owners and operators must, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

### **Geneva Construction Permit**

9. On October 24, 2005, the Illinois Environmental Protection Agency (Illinois EPA), issued a construction permit to the Geneva Energy, LLC (Geneva Energy) pursuant to 35 IAC Part

201 (2005 Construction Permit). Illinois EPA issued a revised construction permit to Geneva Energy on July 7, 2009 (2009 Construction Permit).<sup>1</sup>

## **B. GENEVA FACILITY**

10. The Geneva Facility is owned and operated by Geneva Energy.
11. On March 15, 2005, Geneva Energy acquired the Geneva Facility in an asset purchase from New Heights Recovery & Power, LLC.
12. Under Geneva Energy, the Geneva Facility was operated by Wood Group Power Operations, Inc. (WGPO) from March 2005 through March 2006, and by North American Energy Services, Inc. (NAES) from September 2008 through December 2009. As operators of the Geneva Facility, WGPO and NAES have joint and several liability with Geneva Energy for the violations which occurred during the respective time periods they operated the Geneva Facility.
13. Geneva Energy, WGPO, and NAES are each a “person,” as that term is defined in Section 302(e) of the Act, 42 U.S.C. § 7602(e).
14. The Geneva Facility is a waste tire combustion facility that burns waste tire fuel in a boiler to produce electricity in an associated steam turbine generator. The boiler is accompanied by ancillary operations including tire fuel storage and handling, tire shredding, ash handling, and a cooling tower.
15. The Geneva Facility’s boiler has a heat input rating of 240 mmBtu per hour. The boiler has a nominal hourly capacity of 17,700 pounds of tire fuel or approximately 700 passenger tire-equivalents. The boiler had ceased operation at the time Geneva Energy purchased the Facility. Boiler operation restarted in November 2005.
16. The air pollution control train for the boiler consists of a Selective Non-Catalytic Reduction (SNCR) system, a fabric filter or baghouse, and a lime scrubber with two demisting sections. These devices are required under the Construction Permit to control the emissions of Nitrogen Oxides (NO<sub>x</sub>), Particulate Matter (PM), Sulfur Dioxide (SO<sub>2</sub>), and other acid gases from the boiler. The emissions of Carbon Monoxide (CO) and Volatile Organic Material (VOM) are to be controlled by good combustion practices.

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<sup>1</sup> The conditions of the 2009 Construction Permit mirror many of the conditions of the 2005 Construction Permit in language and codification. To simplify citation in this NOV/FOV, where a construction permit condition remained unchanged with the same codification from the 2005 Construction Permit to the 2009 Construction Permit, the term “Construction Permit” will be used. Where the condition or condition codification being referenced is not carried over from the 2005 Construction Permit to the 2009 Construction Permit, either “2005 Construction Permit” or “2009 Construction Permit” will be used.

17. The Geneva Facility includes equipment to handle various bulk materials needed for the operation of the boiler, including lime and soda ash. Associated PM emissions are controlled by various control measures including wetting, covers, enclosures, and dust collection systems.
18. The Geneva Facility includes three internal combustion engines. These engines are used to power electrical generators that supply back-up for the facility. These engines are fired with distillate fuel oiler. Two of the engines have a nominal capacity of 1,350 Horsepower, and the third engine has a nominal capacity of 300 Horsepower.

### C. VIOLATIONS

#### Construction Permit

##### *1. Emission Limit Violations*

19. Section 2.1 of the Construction Permit establishes emission limits, permit conditions, and other requirements for the Geneva Facility's boiler. These include the following:

Pollutant	Limit	Permit Condition
Opacity	30%, 6-min average	2.1.3(a)
	10%, 6-min average	2.1.4-2(b)(iv)
SO <sub>2</sub>	24.0 lb/hr, 24 hour block average	2.1.6-1(a)(i)
	0.100 lb/mmBtu	2.1.4-2(b)(i)
CO	24.0 lb/hr, 24 hour block average	2.1.6-1(a)(i)
	0.100 lb/mmBtu	2.1.4-2(b)(ii)
NO <sub>x</sub>	22.2 lb/hr, 24 hour block average	2.1.6-1(a)(i)
	0.0925 lb/mmBtu	2.1.4-2(b)(iii)
PM	15.0 lb/hr, stack testing	2.1.6-1(a)(i)
	0.0275 lb/mmBtu	2.1.4-2(a)(i)
PM10	15.0 lb/hr, stack testing	2.1.6-1(a)(i)
Ammonia	20 ppmv, 24 hour block average	2.1.6-1(b)
Hydrogen Chloride (HCl)	5.4 tons/year, stack testing	2.1.6-1(a)(i)
Arsenic	0.082 tons/year, stack testing	2.1.6-1(a)(i)

20. Table 1 of Attachment A of this NOV provides a summary of excess emissions reported by the Geneva Facility as required by applicable regulations and its Construction Permit. Based on these excess emissions, the Geneva Facility was in violation of the Construction Permit as follows:
- For at least 21 days from 2005-present, the Geneva Facility was in violation of the 10% opacity limit under Condition 2.1.4-2(b)(iv) of the Construction Permit. The highest exceedance reported was 41.67%

- b. For at least 18 days from 2006-present, the Geneva Facility was in violation of the 24.0 SO<sub>2</sub> lb/hr emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 39 lb/hr.
- c. For at least 59 days from 2006-2009, the Geneva Facility was in violation of the 0.100 SO<sub>2</sub> lb/mmBtu emission limit under Condition 2.1.4-2(b)(i) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 0.43 lb/mmBtu.
- d. For at least 42 days from 2006-2009, the Geneva Facility was in violation of the 24.0 CO lb/hr emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 57.2 lb/hr.
- e. For at least 90 days from 2006-present, the Geneva Facility was in violation of the 0.100 CO lb/mmBtu emission limit under Condition 2.1.6-2(b)(ii) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 1.654 lb/mmBtu.
- f. For at least 26 days from 2006-2009, the Geneva Facility was in violation of the 22.2 NO<sub>x</sub> lb/hr emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 35.4 lb/hr.
- g. For at least 113 days from 2006-present, the Geneva Facility was in violation of the 0.0925 NO<sub>x</sub> lb/mmBtu emission limit under Condition 2.1.4-2(b)(iii) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 0.3564 lb/mmBtu.
- h. For at least 55 days from 2008-2009, the Geneva Facility was in violation of the 20 ppmv ammonia emission limit under Condition 2.1.6-1(b) of the Construction Permit. Of the days reported as violations by the Geneva Facility, the highest exceedance reported was 56.1 ppm.
- i. From at least July 2008-February 2010, the Geneva Facility was in violation of the 5.4 tons/year HCl emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit. The highest exceedance reported was 45.90 tons/year.
- j. From at least July 2008-February 2010, the Geneva Facility was in violation of the 0.082 tons/year arsenic emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit. The highest exceedance reported was 0.538 tons/year.



21. A stack test of the Geneva Facility's boiler was conducted November 5-6, 2009. The stack test measured PM emissions in excess of the 15.0 lb/hr and 0.0275 lb/mmBtu PM emission limits of the Construction Permit, and PM<sub>10</sub> emissions in excess of the 15.0 lb/hr PM<sub>10</sub> emission limit of the Construction Permit. No stack test since November 6, 2009, has established compliance with these emission limits.
22. The Geneva Facility is in violation of the lb/hr PM emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit.
23. The Geneva Facility is in violation of the lb/mmBtu PM emission limit under Condition 2.1.4-2(a)(i) of the Construction Permit.
24. The Geneva Facility is in violation of the lb/hr PM<sub>10</sub> emission limit under Condition 2.1.6-1(a)(i) of the Construction Permit.

2. *Failure to Monitor Boiler Emission Control Parameters*

25. Including, but not limited to, the dates listed in the table below, the Geneva Facility failed to monitor the following parameters on a continuous basis as required in Construction Permit Condition 2.1.8:
- Ammonia Slip (ppm)
  - CO (ppm)
  - CO (lb/hr)
  - CO (lb/mmBtu)
  - Oxygen concentrations
  - Stack gas flow (acfm)
  - Lime scrubber inlet temperature (°F)

Parameter	10/1/05 - 12/31/05	1/1/06 - 3/31/06	4/1/06 - 6/30/06	7/1/06 - 9/30/06	10/1/06 - 12/31/06	7/1/08 - 9/30/08	10/1/09 - 12/31/09
Ammonia slip (ppm)	X	X	X	X	X	X	
CO (ppm)	X	X					
CO (lb/mmBtu)	X		X				
CO (lb/hr)	X		X		X		X
Oxygen concentration (%)	X		X	X			
Scrubber inlet temperature (°F)			X				
Stack flow (acfm)	X	X		X			

26. Including, but not limited to, the dates listed in the table below, the Geneva Facility failed to monitor the following parameters on a continuous basis as required in, Construction Permit Condition 2.1.8:

- a. Opacity (%)
- b. NO<sub>x</sub> (ppm)
- c. NO<sub>x</sub> (lb/hr)
- d. NO<sub>x</sub> (lb/mmBtu)
- e. SO<sub>2</sub> (ppm)
- f. SO<sub>2</sub> (lb/hr)
- g. SO<sub>2</sub> (lb/mmBtu)

Parameter	10/1/05 - 12/31/05	1/1/06 - 3/31/06	4/1/06 - 6/30/06	7/1/06 - 9/30/06	10/1/06 - 12/31/06	10/1/09 - 12/31/09
Opacity (%)			X			
NO <sub>x</sub> (ppm)	X			X		
NO <sub>x</sub> (lb/hr)	X		X			X
NO <sub>x</sub> (lb/mmBtu)	X		X			
SO <sub>2</sub> (ppm)	X	X	X	X		
SO <sub>2</sub> (lb/hr)	X		X		X	X
SO <sub>2</sub> (lb/mmBtu)	X		X			

3. *Failure to Comply with Boiler Operation Restrictions.*

27. Condition 2.1.6-2(d) of the Construction Permit provides that the Geneva Facility shall install, operate, and maintain an Automatic Tire Fuel Feed Cutoff System that will control the feed of fuel into the boiler. Condition 2.1.6-2(d) further provides that tire fuel shall only be fed to the boiler while it is operating under certain conditions. One of these conditions, at Condition 2.1.6-2(d)(v), restricts the feeding of tire fuel being to the boiler to only when the monitored stack opacity is no more than 20% on a 6-minute block average.

28. On at least July 12 and 13, 2006, April 4, 2008, and May 28, 2009, the Geneva Facility caused or allowed tire fuel delivery to the boiler to continue when opacity from the boiler was in excess of 20% on a 6-minute block average in violation of Condition 2.1.6-2(d) of the Construction Permit.

4. *Tire-Fuel Storage and Handling Violations.*

29. Conditions 2.2.5-1(b)(i)-(ii) of the 2005 Construction Permit establish operating limitations for the shredded tire fuel storage. Shredded tire fuel is required to be stored only inside buildings and on the existing outdoor concrete fuel storage pad (pad), which is approximately

100 feet wide and 200 feet long. No more than 500,000 passenger tire equivalents (6,250 tons) of shredded tire fuel can be stored on the pad at any time.

30. On or about February 25, 2009, the Geneva Facility stored excess tire shred fuel at the facility on the fuel storage pad beyond the 100' x 200' designated concrete pad in violation of 2005 Construction Permit Condition 2.2.5-1(b)(i)-(ii).

##### 5. *Bulk Handling Equipment and Internal Combustion Engine Violations*

31. Construction Permit Condition 2.3.8(a) requires "...inspections of the affected units on at least a weekly basis, including associated control measures, while the affected units are in use, to confirm compliance with the requirements of Condition 2.4.5(a)."
32. Construction Permit Condition 2.3.8(b) requires "...detailed inspections of the dust collection equipment for affected units at least every 12 months while the units are out of service, with an initial inspection performed before any maintenance and repair activities are conducted during the period the process is out of service and a follow-up inspection performed after any such activities are completed."
33. Construction Permit Condition 2.3.9(a)(i)-(ii) establishes recordkeeping requirements for maintaining files and logs containing information relating to the dust collection equipment associated with the affected units and operating capacity of each affected process.
34. Construction Permit Condition 2.3.9(b)(i)-(ii) establishes recordkeeping requirements for the control measures currently being implemented for the affected units pursuant to Condition 2.3.5(a).
35. Construction Permit Condition 2.3.9(c)(i)-(ii) requires records of the inspections required by Condition 2.3.8 be maintained.
36. Construction Permit Condition 2.4.9(a)(ii) requires a maintenance and operating log for each affected engine.
37. Construction Permit Condition 2.4.9(a)(iv) requires that records related to the sulfur content of the oil fuel supply and SO<sub>2</sub> emissions of the affected engines be kept.
38. From at least January 1, 2008 through December 10, 2008, the Geneva Facility failed to conduct required inspections in violation of Construction Permit Conditions 2.3.8(a)-(b).
39. From at least January 1, 2008 through December 10, 2008, the Geneva Facility failed to maintain records in violation of Construction Permit Conditions 2.3.9(a)(i)-(ii), 2.3.9(b)(i)-(ii), 2.3.9(c)(i)-(ii), 2.4.9(a)(ii), and 2.4.9(a)(iv).

6. *Failure to Submit Annual Compliance Certifications*

40. Condition 1.8.3 of the Construction Permit requires that “until a CAAPP Permit is issued for the facility, the terms and conditions of [the] construction permit shall be addressed in an annual compliance certification submitted by [Geneva] by May 1 of each year for the prior calendar year....”
41. For the calendar years 2005 and 2007, the Geneva Facility failed to submit Annual Compliance Certifications in violation Condition 1.8.3 of the Construction Permit.

**NSPS**

42. The Geneva Facility’s boiler is an “affected facility” subject to the NSPS, 40 C.F.R. Part 60, Subpart Db.
43. Condition 2.1.5(a) of the Construction Permit states that the Geneva Facility’s boiler is subject to the NSPS at 40 C.F.R. Part 60, Subpart Db.
44. On at least July 12 and 13, 2006, April 4, 2008, and May 28, 2009, the boiler exceeded the NSPS 20% opacity limit in violation of 40 C.F.R. § 60.43b(f).
45. Including, but not limited to, April 1 2006 through June 30, 2006, the Geneva Facility failed to monitor opacity on a continuous basis as required in 40 C.F.R. §§ 60.13 and 60.48, and Construction Permit Condition 2.1.8.
46. From at least March 2005 to the present, the Geneva Facility has not maintained and operated its boiler and associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions in violation of 40 C.F.R. § 60.11(d) and Construction Permit Conditions 2.1.5(b) and 2.1.8(e).

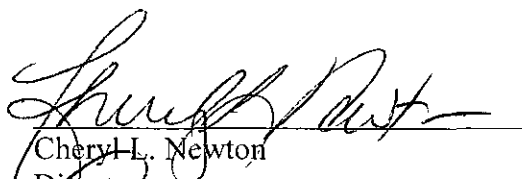
**Illinois SIP Visible and Particulate Matter Regulations**

47. The Geneva Facility is subject to 35 IAC 212.123(a) Regulations for Visible and Particulate Matter Emissions as specified in Condition 2.1.3(a) of the Construction Permit.
48. On at least July 13, 2006, April 4, 2008, and May 28, 2009, the Geneva Facility’s boiler operated with an opacity reading as high as 41.67% on a 6-minute average.
49. Failure to maintain compliance with the 30% opacity limit specified in 35 IAC § 212.123(a), and incorporated in the Construction Permit as Condition 2.1.3(a), is a violation of 35 IAC § 212.123(a) and the Construction permit.

**D. ENFORCEMENT**

Section 113(a) (1) of the Act, 42, U.S.C. § 7413(a)(1), provides that at any time after the expiration of 30 days following the date of the issuance of a Notice of Violation, the Administrator may, without regard to the period of violation, issue an order requiring compliance with the requirements of the state implementation plan or permit, issue an administrative penalty order pursuant to Section 113(d), or bring a civil action pursuant to Section 113(b) for injunctive relief and/or civil penalties.

Dated: \_\_\_\_\_

8/25/10  
Cheryl L. Newton  
Director  
Air and Radiation Division

## ATTACHMENT A

Geneva Energy, LLC  
Ford Heights, Illinois

Dates in violation as reported by Geneva in 2005-2010 Quarterly Reports and 2006/2008/2009 Annual Compliance Certification Reports

Table 1: Total days in violation of Construction Permit limits.<sup>2</sup>

Pollutant	Emission Limit	Total days in violation 2005-present	Max Value
Opacity	30%	3	41.67%
Opacity	10%	21	41.67%
SO <sub>2</sub>	24.0 lb/hr	18	39 lb/hr
	0.100 lb/mmBtu	59	0.43 lb/mmBtu
CO	24.0 lb/hr	42	57.2 lb/hr
	0.100 lb/mmBtu	90	1.654 lb/mmBtu
NO <sub>x</sub>	22.2 lb/hr	26	35.4 lb/hr
	0.0925 lb/mmBtu	113	0.3564 lb/mmBtu
Ammonia	20ppmv	55	56.1 ppm
HCl	5.4 tons/year	July 2008 – February 2010	45.90 tons/year
Arsenic	0.082 tons/year	July 2008 – February 2010	0.538 tons/year

<sup>2</sup> The days of violation and maximum values indicated in this table are days of violation and the maximum emission exceedance value reported by the Geneva Facility as violations, and does not include days of emission exceedances reported as occurring during startup, shutdown, or malfunction events, which have been at times much higher than the values stated in this table. EPA is currently reviewing the data related to these occurrences to assess whether the emission exceedances associated with such occurrences claimed as exempt do or do not qualify for startup, shutdown, or malfunction exemption from the applicable emission standard. Nonetheless, the numerous days emission exceedance which have occurred during claimed startup, shutdown, and malfunction events are evidence of failure to maintain or operate in a manner in consistent with good air pollution practices under 40 C.F.R. § 60.11(d) and Conditions 2.1.5(b) and 2.1.8(e) of the Construction Permit,

## CERTIFICATE OF MAILING

I, Betty Williams, certify that I sent a Notice and Finding of Violation, No. EPA-5-10-IL-21, by Certified Mail, Return Receipt Requested, to:

Chris Head  
Operations Manager  
Geneva Energy, LLC  
1705 Cottage Grove Avenue  
Ford Heights, Illinois 60411

CERTIFIED MAIL RECEIPT NUMBER: 700916800000 7666 5452

Frank Avery  
President  
Wood Group Power Operations, Inc  
17420 Katy Freeway, Suite 300  
Houston, TX 77094

CERTIFIED MAIL RECEIPT NUMBER: 700916800000 7666 5445


John Brewster  
CEO and President  
North American Energy Services, Inc  
1180 NW Maple Street, Suite 200  
Issaquah, WA 98027

CERTIFIED MAIL RECEIPT NUMBER: 700916800000 7666 5711

I also certify that I sent copies of the Notice and Finding of Violation by first class mail to:

Ray Pilapil, Manager  
Bureau of Air, Compliance and Enforcement Section  
Illinois Environmental Protection Agency  
P.O. Box 19506  
Springfield, Illinois 62794

on this 25<sup>th</sup> day of August, 2010

  
Betty Williams  
Administrative Program Assistant  
AECAS (IL/IN)